Chapter 12
NASD System Log Messages

This chapter describes messages generated by the Network Access Server process (nasd), which authenticates peers at the interface level.

NASD_AUTHENTICATION_CREATE_FAILED

System Log Message NASD_AUTHENTICATION_CREATE_FAILED:
Unable to allocate authentication handle: *system-error*

Description The Network Access Server process (nasd) could not allocate an authentication object.

Type Error: An error occurred

Severity error

NASD_CHAP_AUTHENTICATION_IN_PROGRESS

System Log Message NASD_CHAP_AUTHENTICATION_IN_PROGRESS:
interface-name : received *operation-name* (*message-identifier*), authentication already in progress

Description The Network Access Server process (nasd) received another CHAP Response from a peer while authenticating a previous CHAP Response sent by that peer. The peer is resending CHAP Responses faster than nasd can process them.

Type Error: An error occurred

Severity error

NASD_CHAP_GETHOSTNAME_FAILED

System Log Message	NASD_CHAP_GETHOSTNAME_FAILED: *interface-name* : unable to obtain hostname for outgoing CHAP message: *system-error*
Description	The Network Access Server process (nasd) could not obtain the hostname needed to fill in the 'Name' field in an outgoing CHAP packet.
Type	Error: An error occurred
Severity	error

NASD_CHAP_INVALID_CHAP_IDENTIFIER

System Log Message	NASD_CHAP_INVALID_CHAP_IDENTIFIER: *interface-name* : received *operation-name* (*message-identifier*), expected CHAP ID: *expected-identifier*
Description	The identifier in a CHAP message received from a peer did not match the expected value.
Type	Error: An error occurred
Severity	info

NASD_CHAP_INVALID_OPCODE

System Log Message	NASD_CHAP_INVALID_OPCODE: *interface-name* : invalid opcode received *operation-name* (*operation-code*), CHAP ID: *message-identifier*
Description	A CHAP message from a peer included the indicated operation code, which is invalid.
Type	Error: An error occurred
Severity	error

NASD_CHAP_LOCAL_NAME_UNAVAILABLE

System Log Message	NASD_CHAP_LOCAL_NAME_UNAVAILABLE: Unable to determine value for 'Name' in outgoing CHAP packet
Description	The Network Access Server process (nasd) could not determine the value needed to fill in the 'Name' field in an outgoing CHAP packet, because either the local name was not specified or nasd could not determine the hostname.
Type	Error: An error occurred
Severity	error

NASD_CHAP_MESSAGE_UNEXPECTED

System Log Message   NASD_CHAP_MESSAGE_UNEXPECTED:
interface-name : received *operation-name* (*message-identifier*)

Description   The Network Access Server process (nasd) did not expect to receive a CHAP message with the indicated operation type.

Type   Error: An error occurred

Severity   info

NASD_CHAP_REPLAY_ATTACK_DETECTED

System Log Message   NASD_CHAP_REPLAY_ATTACK_DETECTED:
interface-name : received *operation-name* (*message-identifier*), this is identical to an outstanding challenge. Peer is trying to exhort response value.

Description   During an exchange of authentication messages, a peer responded to a challenge message from the Network Access Server process (nasd) by returning the same message. nasd did not respond to the peer, because doing so would provide the answer to the original challenge. The peer must provide the answer on its own for authentication to succeed.

Type   Error: An error occurred

Severity   error

NASD_CONFIG_GET_LAST_MODIFIED_FAILED

System Log Message   NASD_CONFIG_GET_LAST_MODIFIED_FAILED:
Unable to determine last modified time of JUNOS configuration database: *reason*: *system-error*

Description   The Network Access Server process (nasd) could not determine when the JUNOS configuration database last changed.

Type   Error: An error occurred

Severity   error

NASD_DAEMONIZE_FAILED

System Log Message   NASD_DAEMONIZE_FAILED:
Aborting, unable to run in the background as a daemon: *error*

Description   The Network Access Server process (nasd) could not create a version of itself to run in the background as a daemon.

Type   Error: An error occurred

Severity   emergency

NASD_DB_ALLOC_FAILURE

System Log Message	NASD_DB_ALLOC_FAILURE: Unable to allocate database object: *object-type*, *system-error*
Description	The Network Access Server process (nasd) could not allocate memory for the indicated object, which it needs to insert into its in-memory database.
Type	Error: An error occurred
Severity	error

NASD_DB_TABLE_CREATE_FAILURE

System Log Message	NASD_DB_TABLE_CREATE_FAILURE: patricia_root_init failed: *database-table*, *system-error*
Description	The Network Access Server process (nasd) could not create a container object in the database stored in its memory.
Type	Error: An error occurred
Severity	error

NASD_DUPLICATE

System Log Message	NASD_DUPLICATE: Another copy of this program is running
Description	An attempt to start the Network Access Server process (nasd) failed because an instance of the process is already running.
Type	Error: An error occurred
Severity	error

NASD_EVLIB_CREATE_FAILURE

System Log Message	NASD_EVLIB_CREATE_FAILURE: evCreate failed with: *error*
Description	The Network Access Server process (nasd) could not create a context used for handling all asynchronous events (such as timers and message availability).
Type	Error: An error occurred
Severity	emergency

NASD_EVLIB_EXIT_FAILURE

System Log Message   NASD_EVLIB_EXIT_FAILURE:
evMainLoop return value: *return-value*, error: *error*

Description   The Network Access Server process (nasd) returned from an event loop, which it should never do.

Type   Error: An error occurred

Severity   error

NASD_LOCAL_CREATE_FAILED

System Log Message   NASD_LOCAL_CREATE_FAILED:
Unable to allocate LOCAL module handle: *system-error*

Description   The Network Access Server Process (nasd) attempted to allocate a locally configured 'password' authentication module as part of its authentication sequence. The allocation failed.

Type   Error: An error occurred

Severity   error

NASD_NOT_ROOT

System Log Message   NASD_NOT_ROOT:
Must be run as root

Description   The user who attempted to start the Network Access Server process (nasd) was not the root user.

Type   Error: An error occurred

Severity   error

NASD_PID_FILE_LOCK

System Log Message   NASD_PID_FILE_LOCK:
Unable to lock PID file: *system-error*

Description   The Network Access Server process (nasd) attempted to lock the file that records its process ID (PID), which serves to prevent multiple instances of nasd from running simultaneously. The attempt failed.

Type   Error: An error occurred

Severity   error

NASD_PID_FILE_UPDATE

System Log Message NASD_PID_FILE_UPDATE:
Unable to update process PID file: *system-error*

Description The Network Access Server process (nasd) attempted to update the file that records its process ID (PID), which serves to prevent multiple instances of nasd from running simultaneously. The attempt failed.

Type Error: An error occurred

Severity error

NASD_POST_CONFIGURE_EVENT_FAILED

System Log Message NASD_POST_CONFIGURE_EVENT_FAILED:
evDefer failed: *system-error*

Description The Network Access Server process (nasd) made a system call to a post event to reread its configuration file. The call failed.

Type Error: An error occurred

Severity emergency

NASD_PPP_READ_FAILURE

System Log Message NASD_PPP_READ_FAILURE:
read() failed: *system-error*

Description The Network Access Server process (nasd) could not read a PPP authentication message from the kernel socket.

Type Error: An error occurred

Severity error

NASD_PPP_SEND_FAILURE

System Log Message NASD_PPP_SEND_FAILURE:
Unable to send message: *system-error*

Description The Network Access Server process (nasd) could not send a PPP authentication message to the kernel socket.

Type Error: An error occurred

Severity error

NASD_PPP_SEND_PARTIAL

System Log Message   NASD_PPP_SEND_PARTIAL:
Unable to send all of message: *sent-number-b ytes*

Description   The Network Access Server process (nasd) could not send all of a PPP authentication message to the kernel socket.

Type   Error: An error occurred

Severity   error

NASD_PPP_UNRECOGNIZED

System Log Message   NASD_PPP_UNRECOGNIZED:
Unrecognized authentication protocol: 0x*protocol-identifier*

Description   The Network Access Server process (nasd) received a PPP authentication message with an unknown authentication protocol.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_ALLOCATE_PASSWORD_FAILED

System Log Message   NASD_RADIUS_ALLOCATE_PASSWORD_FAILED:
alloca(*password-size*) failed when allocating password for RADIUS: *system-error*

Description   The Network Access Server process (nasd) could not allocate space for a temporary CHAP RADIUS password.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_CONFIG_FAILED

System Log Message   NASD_RADIUS_CONFIG_FAILED:
rad_config failed: *radius-system-error*

Description   The Network Access Server process (nasd) could not read the configuration file that lists all RADIUS servers.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_CREATE_FAILED

System Log Message   NASD_RADIUS_CREATE_FAILED:
Unable to allocate RADIUS module handle: *system-error*

Description   The Network Access Server process (nasd) attempted to allocate a RADIUS authentication module as part of its authentication sequence. The allocation failed.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_CREATE_REQUEST_FAILED

System Log Message   NASD_RADIUS_CREATE_REQUEST_FAILED:
rad_create_request failed: *radius-system-error*

Description   The Network Access Server process (nasd) could not create the object it uses to send messages to the RADIUS server.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_GETHOSTNAME_FAILED

System Log Message   NASD_RADIUS_GETHOSTNAME_FAILED:
Unable to obtain hostname for outgoing RADIUS message: *system-error*

Description   The Network Access Server process (nasd) could not obtain the hostname it needed to fill in the NAS_IDENTIFIER field in an outgoing RADIUS message.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_MESSAGE_UNEXPECTED

System Log Message   NASD_RADIUS_MESSAGE_UNEXPECTED:
Unknown response from RADIUS server: *radius-message-code*

Description   The RADIUS authentication module received a message from the RADIUS server that it does not know how to handle.

Type   Error: An error occurred

Severity   error

NASD_RADIUS_OPEN_FAILED

System Log Message	NASD_RADIUS_OPEN_FAILED: rad_auth_open failed: *system-error*
Description	The Network Access Server process (nasd) could not create a RADIUS object handle, which it uses to communicate with the RADIUS server.
Type	Error: An error occurred
Severity	error

NASD_RADIUS_SELECT_FAILED

System Log Message	NASD_RADIUS_SELECT_FAILED: evSelectFD failed: *system-error*
Description	The Network Access Server process (nasd) uses UDP sockets to communicate with RADIUS servers. It could not add the file descriptor for this socket to the select() list.
Type	Error: An error occurred
Severity	error

NASD_RADIUS_SET_TIMER_FAILED

System Log Message	NASD_RADIUS_SET_TIMER_FAILED: evSetTimer failed: *system-error*
Description	The RADIUS authentication module uses a timer for retransmission of RADIUS messages. The timer could not be activated.
Type	Error: An error occurred
Severity	error

NASD_TRACE_FILE_OPEN_FAILED

System Log Message	NASD_TRACE_FILE_OPEN_FAILED: trace_file_open() failed: *system-error*
Description	The Network Access Server process (nasd) could not open the file in which it records log and trace messages.
Type	Error: An error occurred
Severity	error

NASD_USAGE

System Log Message NASD_USAGE:
Usage: nasd [-N] [-v] [-d debug-level]

Description The Network Access Server process (nasd) displayed the syntax statement for the 'nasd' command because the command was invoked incorrectly.

Type Event: This message reports an event, not an error

Severity error